COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER

PHNL030962 US

As a below named inventor, I hereby declare that:				0000	
My residence, post office address and citizenship are as stated next to my name. 10/539898					
I believe I am the original, first a plural names are listed below) of entitled: "Segment-based I the specification of which (chec	of the subject matter which is omotion estimation"	ame is listed below) o claimed and for which	r an original, firs a patent is sough	t and joint inventor (nt on the invention	
is attached hereto.					
was filed as United States a	pplication				
Serial No			······································		
on					
and was amended					
on					
X was filed as PCT internation	al application				
Number <u>PCT/TB2003/005474</u>					
on 20 November 2003				······································	
	A 45-1- 40				
and was amended under PCT					
on				(if applicable).	
I hereby state that I have review claims, as amended by any am		nts of the above-identi	fied specification	n, including the	
I acknowledge the duty to discle Title 37, Code of Federal Regu		rial to the examination	of this applicatio	on in accordance with	
I hereby claim foreign priority be or inventor's certificate or of an States of America listed below any PCT international application the same subject matter have	y PCT international applicatior and have identified below any on(s) designating at least one	n(s) designating at least foreign application(s) country other than the	st one country of for patent or inve United States of	her than the United entor's certificate or f America filed by me	
PRIOR FOREIGN/PCT APPLIC	CATION(S) AND ANY PRIORI	TY CLAIMS UNDER 3	35 U.S.C. 119:		
COUNTRY	APPLICATION NUMBER	DATE OF F DAY, MONTH		PRIORITY CLAIMED UNDER 35 USC 119	
Europe	02080533.9	20 December 20	02	YES	
Europe	03102487.0	08 August 2003		YES	

						PHNL030962 US	
POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact							
	all business in the Patent and Trademark Office connected therewith. (List name and registration number)						
lack F. Haken, Reg. No. 26 902 Direct Telephone Calls to:					Calls to:		
Michael F Marion Reg No 32 266 (name and					(name and telepho	one number)	
	ard M. Blocker, F		$\stackrel{\sim}{\sim}$		(914)332-0222		
\downarrow							
b_	FULL NAME OF INVENTOR	FAMILY NAME	•	FIRST GIVEN NAME	SECOND GI	IVEN NAME	
1	4	SETHURAMAN	<u> </u>	Ramanathan			
201	RESIDENCE & CITIZENSHIP	CITY	. 41 \	STATE OR FOREIGN COUNTRY		OF CITIZENSHIP	
	POST OFFICE	Eindhoven POST OFFICE ADDRE	йГХ	The Netherlands	India	P CODE/COUNTRY	
	ADDRESS	Prof. Holstlaar		5656 AA Eindhoven		herlands	
*	FULL NAME OF	FAMILY NAME	-	FIRST GIVEN NAME	SECOND G	:	
Ψ	INVENTOR	ERNST		Fabian	Edgar		
202	RESIDENCE &	CITY		STATE OR FOREIGN COUNTRY	COUNTRY	OF CITIZENSHIP	
	CITIZENSHIP		NLX	The Netherlands	German		
	POST OFFICE	POST OFFICE ADDRE		CITY		P CODE/COUNTRY	
	ADDRESS	Prof. Holstlaar	16	5656 AA Eindhoven		herlands	
Φ	FULL NAME OF INVENTOR	FAMILY NAME		FIRST GIVEN NAME	SECOND G		
		MEUWISSEN		Patrick	Peter El		
203	RESIDENCE & CITIZENSHIP	CITY	.1/\	STATE OR FOREIGN COUNTRY The Netherlands		OF CITIZENSHIP Cherlands	
1		POST OFFICE ADDRE	ЙζΧ	CITY		P CODE/COUNTRY	
1	POST OFFICE ADDRESS	Prof. Holstlaar		5656 AA Eindhoven		herlands	
ϕ	FULL NAME OF INVENTOR	FAMILY NAME		FIRST GIVEN NAME	SECOND G		
1 204	RESIDENCE &	PETERS		Harm STATE OR FOREIGN COUNTRY		es Antonius Maria OF CITIZENSHIP	
204	CITIZENSHIP	Eindhoven	NCX	The Netherlands	l l	herlands	
i	POST OFFICE	POST OFFICE ADDRE		CITY	1	P CODE/COUNTRY	
	ADDRESS	Prof. Holstlaar		5656 AA Eindhoven	The Net	The Netherlands	
	FULL NAME OF	FAMILY NAME		FIRST GIVEN NAME	SECOND G	IVEN NAME	
	INVENTOR	PESET LLOPIS	3	Rafael			
205	RESIDENCE & CITIZENSHIP	CITY		STATE OR FOREIGN COUNTRY		OF CITIZENSHIP	
	POST OFFICE	Eindhoven POST OFFICE ADDRE		The Netherlands	Spain	P CODE/COUNTRY	
	ADDRESS	Prof. Holstlaar		5656 AA Eindhoven		therlands	
true:	and further that these	atements made herein of e statements were made der section 1001 if Title 1	my own kr	nowledge are true and that all statem owledge that willful false statements ited states Code, and that such willful	ents made on informand the like so made	nation and belief are believed to be e are punishable by fine or	
SIGNATURE OF INVENTOR 201 SIGN			SIGNATU	IRE OF INVENTOR 202	SIGNATURE	E OF INVENTOR 203	
					<u> </u>		
S. Ramanottran				6	Lawisson		
DATI	E 22 July 2004		DATE	DATE		2 I1 2004	
SIGN	NATURE OF INVENT	OR 204		2 July 2004 IRE OF INVENTOR 205		2.July 2004	
سم) ا	() () () () () () () () () ()						
Jose							
DATE 22 July 2004			DATE				

U.S. DEPARTMENT OF COMMERCE- Patent and Trademarks Office

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER PHNL030962 US

As a below named inventor, I h	ereby declare that:					
My residence, post office address and citizenship are as stated next to my name.						
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: "Segment-based motion estimation" the specification of which (check only one item below):						
is attached hereto.	is attached hereto.					
was filed as United States application						
Serial No -						
on						
and was amended						
on		-				
🗓 was filed as PCT internation	nal application					
and was amended under PCT Article 19						
on (if applicable).						
I hereby state that I have review claims, as amended by any am		ents of the above-identified specificati	on, including the			
I acknowledge the duty to discl Title 37, Code of Federal Regu		rial to the examination of this applica	tion in accordance with			
I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:						
PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:						
COUNTRY	APPLICATION NUMBER	DATE OF FILING DAY, MONTH, YEAR	PRIORITY CLAIMED UNDER 35 USC 119			
Europe	02080533.9	20 December 2002	YES			
Europe	03102487.0	08 August 2003	YES			
		1				

					Attorneys Docket Number PHNL030962 US		
POWI	ER OF ATTORNE iness in the Patent a	Y: As a named inventor, and Trademark Office co	I hereby ap	ppoint the following attorney(s) and/orewith. (List name and registration n	or agent(s) to prosecumber)	cute this application and transact	
Jack E. Haken, Reg. No. 26,902 Michael E. Marion, Reg. No. 32,266 Edward M. Blocker, Reg. No. 30,245					Direct Telephone Calls to: (name and telephone number) (914)332-0222		
	FULL NAME OF FAMILY NAME INVENTOR SETHURAMAN		J	FIRST GIVEN NAME Ramanathan		IVEN NAME	
201	RESIDENCE & CITIZENSHIP	CITY Eindhoven	- 1 · 0 · 0	STATE OR FOREIGN COUNTRY The Netherlands	India	OF CITIZENSHIP	
	POST OFFICE ADDRESS	POST OFFICE ADDRE				STATE & ZIP CODE/COUNTRY The Netherlands	
	FULL NAME OF INVENTOR	FAMILY NAME ERNST		FIRST GIVEN NAME Fabian	Edgar	SIVEN NAME	
202	RESIDENCE & CITIZENSHIP	CITY Eindhoven		STATE OR FOREIGN COUNTRY The Netherlands	Germai		
	POST OFFICE ADDRESS	POST OFFICE ADDRE		5656 AA Eindhoven	The Ne	STATE & ZIP CODE/COUNTRY The Netherlands	
	FULL NAME OF INVENTOR	FAMILY NAME MEUWISSEN		Patrick	Peter E	iven name lizabeth	
203	RESIDENCE & CITIZENSHIP	CITY Eindhoven		STATE OR FOREIGN COUNTRY The Netherlands	The Ne	of CITIZENSHIP therlands	
POST OFFICE ADDRESS Prof. Holstlaan					STATE & ZIP CODE/COUNTRY The Netherlands		
	FULL NAME OF INVENTOR	FAMILY NAME PETERS		FIRST GIVEN NAME Harm	Johann	GIVEN NAME N es Antonius Maria	
204	RESIDENCE & CITIZENSHIP	CITY Eindhoven		STATE OR FOREIGN COUNTRY The Netherlands	The Ne	of CITIZENSHIP therlands	
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Prof. Holstlaan 6		5656 AA Eindhoven	The Ne	IP CODE/COUNTRY therlands	
>	FULL NAME OF INVENTOR	PESET LLOPI	<u> </u>	FIRST GIVEN NAME Rafael STATE OR FOREIGN COUNTRY		OF CITIZENSHIP	
205	RESIDENCE & CITIZENSHIP POST OFFICE	Eindhoven POST OFFICE ADDRI	Μ̈́Υ	The Netherlands	Spain	IP CODE/COUNTRY	
	ADDRESS	Prof. Holstlaa		5656 AA Eindhoven		therlands	
true: a	nd further that these	e statements were made der section 1001 if Title 1	with the kno	nowledge are true and that all statem owledge that willful false statements ited states Code, and that such willfu	and the like so mad	te are punishable by fine or	
SIGNA	ATURE OF INVENT	OR 201	SIGNATU	RE OF INVENTOR 202	SIGNATUR	E OF INVENTOR 203	
DATE			DATE	\mathcal{A}	DATE		
SIGNA	ATURE OF INVENT	OR 204	SIGNATU	RE OF INVENTOR 205			
DATE			DATE	23 July 2004			

U.S. DEPARTMENT OF COMMERCE- Patent and Trademarks Offic.

Rec'd PCT/PTO 16 JUN 2005 10/539898

PTO/SB/80 (11-04)
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POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

	I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b)					
4. 0	· O. / O(D).	Drevious powers of attorr	ney given in the appir	cation identified in t	he attached state	ment under
I hereby	y appoint:					
X Pra	actitioners asso	ciated with the Customer Num	ber: 24	737		
OR						
Pra	actitioner(s) nan	ned below (if more than ten par	tent practitioners are to be	named then a custome	er number must be use	ed):
		Name	Registration Number	Name		Registration Number
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as attorne	y(s) or agent(s)	to represent the undersigned	before the United States F	Patent and Trademark O	ffice (USPTO) in conn	ection with
		tions assigned <u>only</u> to the und cordance with 37 CFR 3.73(b)		USPTO assignment rec	ords or assignment do	cuments
		pondence address for the app		- Day and a made of		
* *	M.190 1	politicine addices for the app	Mication identified in the au	ached statement under	37 CFR 3.73(b) to:	
x .	The address no		2473	7		
OR	The address as	sociated with Customer Numb	er: 441	'' \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
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	lividual Name					
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City Country Telephor	ne	KONI Groe	NKLIJKE PHIL	IPS ELECTRO	NICS N.V.	
City Country Telephor Assignee I	ne Name and Addr	KONI Groe 5621	NKLIJKE PHII newoudseweg BA Eindhove	IPS ELECTRO 1 n, The Neth	NICS N.V.	
City Country Telephor Assignee f	ne Name and Addr of this form, to ach applicati	KONI Groe 5621 Ogether with a statement	NKLIJKE PHII newoudseweg BA Eindhove	IPS ELECTRO 1 n, The Neth (Form PTO/SB/96 or	NICS N.V. erlands	4 6
City Country Telephor Assignee f	ne Name and Addr of this form, to ach applicati	KONI Groe 5621 ogether with a statement ton in which this form is upointed in this form if the a	NKLIJKE PHIL enewoudseweg BA Eindhove under 37 CFR 3.73(b) used. The statement u	IPS ELECTRO 1 n, The Neth (Form PTO/SB/96 or noter 3.7 CFR 3.73(b)	NICS N.V. erlands	4 6
City Country Telephor Assignee f	ne Name and Addr of this form, to ach applicati	KONI Groe 5621 Ogether with a statement on in which this form is u ointed in this form if the a application in which this	NKLIJKE PHIL newoudseweg BA Eindhove under 37 CFR 3.73(b) sed. The statement u ppointed practitioner Power of Attorney is	IPS ELECTRO 1 n, The Neth (Form PTO/SB/96 or nder 37 CFR 3.73(b) is authorized to act to be filed.	NICS N.V. erlands	4 6
City Country Telephor Assignee f	Name and Addr of this form, to ach applicati titioners apport	KONI Groe 5621 Degether with a statement on in which this form is uplinted in this form if the a application in which this	NKLIJKE PHIL enewoudseweg BA Eindhove under 37 CFR 3.73(b) used. The statement u	IPS ELECTRO 1 n, The Neth (Form PTO/SB/96 or nder 37 CFR 3.73(b) is authorized to act to be filed. Record	NICS N.V. erlands equivalent) is requivalent of the as	4 6
City Country Telephor Assignee f	Name and Addr of this form, to ach applicati titioners apport	KONI Groe 5621 Degether with a statement on in which this form is uplinted in this form if the a application in which this	NKLIJKE PHIL newoudseweg BA Eindhove under 37 CFR 3.73(b) sed. The statement u ppointed practitioner Power of Attorney is	IPS ELECTRO 1 n, The Neth (Form PTO/SB/96 or nder 37 CFR 3.73(b) is authorized to act to be filed. Record uthorized to act on beha	NICS N.V. erlands equivalent) is requivalent of the as	d by one of ssignee,
City Country Telephor Assignee f	Name and Addr of this form, to ach applicati titioners apport	KON I Groe 5621 Degether with a statement on in which this form is upointed in this form if the a application in which this SIGN SIGN	NKLIJKE PHIL newoudseweg BA Eindhove under 37 CFR 3.73(b) seed. The statement uppointed practitioner Power of Attorney is NATURE of Assignee of itle is supplied below is a	IPS ELECTRO 1 n, The Neth (Form PTO/SB/96 or nder 37 CFR 3.73(b) is authorized to act to be filed. Record thorized to act on beha	NICS N.V. erlands equivalent) is requivalent of the assignee	d by one of ssignee,

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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STATEMEN	TUNDER 37 CFR 3.73(b)
Applicant/Patent Owner: Koninklijke Philips Electronics N.V.	
Application No./Patent No.: Concurrently Fi	led/Issue Date: Concurrently
Entitled: SEGMENT-BASED MOTION ESTIMATION	
Koninklijke Philips Electronics N.V. , a (Name of Assignee)	<u>corporation</u> (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)
states that it is: 1. the assignee of the entire right, title, and interest;	or
2. an assignee of less than the entire right, title and in the extent (by percentage) of its ownership interest in the patent application/patent identified above by virtue.	st is%
	application/patent identified above. The assignment was recorded at Reel, Frame, or for which a copy thereof is
OR	
B. [] A chain of title from the inventor(s), of the patent a below:	pplication/patent identified above, to the current assignee as shown
	States Patent and Trademark Office at, or for which a copy thereof is attached.
From: The document was recorded in the United	To: States Patent and Trademark Office at
	, or for which a copy thereof is attached.
3. From: The document was recorded in the United Reel , Frame [] Additional documents in the chain of title a	States Patent and Trademark Office at, or for which a copy thereof is attached.
[] Copies of assignments or other documents in the che [NOTE: A separate copy (i.e., the original assignment must be submitted to Assignment Division in accordance recorded in the records of the USPTO. See MPEP:	nt document or a true copy of the original document) lance with 37 CFR Part 3, if the assignment is to be
The undersigned (whose title is supplied below) is author	rized to act on behalf of the assignee.
6.14.05	Michael E. Belk, Reg. 33,357
Date	Typed or printed name
(914) 333-9643	mulaelsBelb
Telephone number	Signature
	Corporate Counsel Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.